

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2018 Levee Inspection Results

Levee District No. 0001 (Sutter County)

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Levee District No. 0001 (Sutter County)

Waterway			Bank	Unit Miles
Unit No. 01 Feather River			Right	16.11
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/13/2018 - 3/13/2018			
DWR Inspector	Sterling York			
Accompanied By	Andrew Stresser LD0001S			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_LD0001S_01_s_2013_4				
Comment Code					
Inspector Comment					
O&M manuals are stored at the district office at 243 2nd st, Yuba City, CA.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_LD0001S_01_s_2013_5				
Comment Code					
Inspector Comment					
Supplies and flood fight equipment are stored at the district office. They also went in with RD784 in their large stockpile of flood fight supplies located in their district.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_LD0001S_01_s_2013_6				
Comment Code					
Inspector Comment					
Drew and the district employees attended the Flood Fight class put on by DWR and RD784 annually.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	0.02	Rating **	A	Issue No.	16
LM End	16.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.951182 °	39.168748 °
				-121.585689 °	-121.622711 °
DWR ID	DWR_LD0001S_01_s_2018_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual Vegetation is well maintained the entire length of the levee, Spring 2018.					

Photo 1 of 3 : SP_2018_LD0001S_433_16_20180319_00055.jpg



View looking upstream landside of the well maintained annual vegetation at Levee Mile 0.02, Spring 2018.

LM Start	0.02	Rating **	A	Issue No.	16 (cont)
LM End	16.10	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2018_LD0001S_433_16_20180319_00056.jpg



View looking upstream landside of the well maintained annual vegetation at Levee Mile 16.16, Spring 2018.

LM Start	0.02	Rating **	A	Issue No.	16 (cont)
LM End	16.10	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2018_LD0001S_433_16_20180319_00057.jpg



View looking upstream landside of the well maintained annual vegetation at Levee Mile 10.48, Spring 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	0.02	Rating **	A	Issue No.	17
LM End	16.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.951182 °	39.168748 °
				-121.585689 °	-121.622711 °
DWR ID	DWR_LD0001S_01_s_2018_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual Vegetation is well maintained the entire length of the levee, Spring 2018.					

Photo 1 of 3 : SP_2018_LD0001S_433_17_20180319_00059.jpg



View looking upstream waterside of the well maintained annual vegetation at Levee Mile 0.02, Spring 2018.

LM Start	0.02	Rating **	A	Issue No.	17 (cont)
LM End	16.10	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2018_LD0001S_433_17_20180319_00058.jpg



View looking upstream waterside of the well maintained annual vegetation at Levee Mile 6.24, Spring 2018.

LM Start	0.02	Rating **	A	Issue No.	17 (cont)
LM End	16.10	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2018_LD0001S_433_17_20180319_00060.jpg



View looking upstream waterside of the well maintained annual vegetation at Levee Mile 10.92, Spring 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	0.36	Rating **	M	Issue No.	37	
LM End	0.36	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.956192°	38.956192°	
				-121.585510°	-121.585510°	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41624 DS_ID:18653 EP_NO: 4667 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned crossing. Concrete box on both sides found. Pipe remainings are found on WS. FIELD_STRUCT_DESC: *ABANDONED* 36-inch steel irrigation pipe through the levee, 10 feet below the crown. Concrete box found on each side. Pipe remains found on the waterside (WS) after the removal of 40 feet of 36-inch steel pipe from a spur levee and 20 feet of 36-inch steel pipe from the landside (LS) slope of the Feather River Levee. (Plans for removal of a portion and filling with concrete a portion of an abandoned 36-inch steel pipe through the levee authorized under Permit No. 4667, 1964 - Levee District No. 1 of Sutter County [LD0001S]). [Additional Reference(s): USACE Sacramento O&M Manual 144, August 1955, (Station 735+57)]. FS Date: 4/12/2013						

LM Start	0.36	Rating **	M	Issue No.	37 (cont)
LM End	0.36	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2018_41624_18769.jpg



Crown view- overview of both sides of the levee

Photo 2 of 3 : UCIP_SP_2018_41624_18768.jpg



WS- abandoned pipe near power pole (right)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	0.36	Rating **	M	Issue No.	37 (cont)	
LM End	0.36	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.956192 °	38.956192 °	
				-121.585510 °	-121.585510 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41624 DS_ID:18653 EP_NO: 4667 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned crossing. Concrete box on both sides found. Pipe remainings are found on WS. FIELD_STRUCT_DESC: *ABANDONED* 36-inch steel irrigation pipe through the levee, 10 feet below the crown. Concrete box found on each side. Pipe remains found on the waterside (WS) after the removal of 40 feet of 36-inch steel pipe from a spur levee and 20 feet of 36-inch steel pipe from the landside (LS) slope of the Feather River Levee. (Plans for removal of a portion and filling with concrete a portion of an abandoned 36-inch steel pipe through the levee authorized under Permit No. 4667, 1964 - Levee District No. 1 of Sutter County [LD0001S]). [Additional Reference(s): USACE Sacramento O&M Manual 144, August 1955, (Station 735+57)]. FS Date: 4/12/2013						

Photo 3 of 3 : UCIP_SP_2018_41624_18767.jpg



WS- abandoned pipe near power pole (top)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	1.85	Rating **	U	Issue No.	38
LM End	1.85	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.977002 °	38.977002 °
				-121.591199 °	-121.591199 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50641
 DS_ID:17917
 EP_NO: N/A
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 07/20/2016 Same as previous comment, although pipe is open on the waterside (WS) and capped on the LS. Note that this section of levee will likely be reconstructed as part of Project Area A of the Feather River West Levee Project (Star Bend to Sutter Bypass). (K. Fazel - UCIP)05/23/2016 Needs proper abandonment; pipe open on both ends (courtesy of Sterling York, DWR Inspector). (K. Fazel - UCIP)
 FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel pipe of an unknown purpose through the levee, 4.6 feet below the crown. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder, not found in 2016. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 144, August 1955, (Station 657+00), As-Built Drawing No. 4-4-205-1].
 FS Date: 7/20/2016

LM Start	1.85	Rating **	U	Issue No.	38 (cont)
LM End	1.85	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2018_50641_75107.jpg



Pipe visible on WS slope. Photo courtesy of Sterling York, DWR Inspector.

Photo 2 of 3 : UCIP_SP_2018_50641_75108.jpg



Pipe open on LS end. Photo courtesy of Sterling York, DWR Inspector.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	1.85	Rating **	U	Issue No.	38 (cont)	
LM End	1.85	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.977002 °	38.977002 °	
				-121.591199 °	-121.591199 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50641 DS_ID:17917 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/20/2016 Same as previous comment, although pipe is open on the waterside (WS) and capped on the LS. Note that this section of levee will likely be reconstructed as part of Project Area A of the Feather River West Levee Project (Star Bend to Sutter Bypass). (K. Fazel - UCIP)05/23/2016 Needs proper abandonment; pipe open on both ends (courtesy of Sterling York, DWR Inspector). (K. Fazel - UCIP) FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel pipe of an unknown purpose through the levee, 4.6 feet below the crown. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder, not found in 2016. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 144, August 1955, (Station 657+00), As-Built Drawing No. 4-4-205-1]. FS Date: 7/20/2016						

Photo 3 of 3 : UCIP_SP_2018_50641_76120.jpg



LS view: pipe appears to be capped, though in a rudimentary fashion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	2.21	Rating **	M	Issue No.	39
LM End	2.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.982135 °	38.982135 °
				-121.591974 °	-121.591974 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:11383 DS_ID:17915 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker cap missing. Sump pump and gate valve at landward toe not found may be due to dense vegetation. FIELD_STRUCT_DESC: 8-inch coated steel pipe of an unknown purpose through the levee, 4.6 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 144, August 1955, (Station 638+07)]. FS Date: 4/12/2013					

LM Start	2.21	Rating **	M	Issue No.	39 (cont)
LM End	2.21	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_11383_18782.jpg



WS- 8-inch steel pipe and disconnected pvc pipe on levee slope

Photo 2 of 3 : UCIP_SP_2018_11383_18781.jpg



WS-a disconnected pvc pipe on levee slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	2.21	Rating **	M	Issue No.	39 (cont)
LM End	2.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.982135 °	38.982135 °
				-121.591974 °	-121.591974 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:11383 DS_ID:17915 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker cap missing. Sump pump and gate valve at landward toe not found may be due to dense vegetation. FIELD_STRUCT_DESC: 8-inch coated steel pipe of an unknown purpose through the levee, 4.6 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 144, August 1955, (Station 638+07)]. FS Date: 4/12/2013					

Photo 3 of 3 : UCIP_SP_2018_11383_18780.jpg



LS- CMP riser on levee slope with dense vegetation.

LM Start	2.42	Rating **	M	Issue No.	40
LM End	2.42	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.985223 °	38.985223 °
				-121.591922 °	-121.591922 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41787					
DS_ID:18667					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears to be abandoned and should be verified as having been done so properly. - concrete standpipe with 10-inch steel pipe.- concrete wing wall- no pipe- abandoned structure- a pump found on other side of the levee (WS) but not sure whether it is associated with this crossing.					
FIELD_STRUCT_DESC: *ABANDONED* 24-inch gravity drainage pipe of an unknown material under the landside (LS) approach, at an unknown depth. Plans to install a 10-inch corrugated iron gravity drainage culvert under the LS approach, at an unknown depth. Crossing not found in the O&M Manual.					
FS Date: 4/12/2013					

Photo 1 of 3 : UCIP_SP_2018_41787_18793.jpg



LS- overview of landside with concrete standpipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	2.42	Rating **	M	Issue No.	40 (cont)	
LM End	2.42	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.985223 °	38.985223 °	
				-121.591922 °	-121.591922 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41787						
DS_ID:18667						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears to be abandoned and should be verified as having been done so properly. - concrete standpipe with 10-inch steel pipe.- concrete wing wall- no pipe- abandoned structure- a pump found on other side of the levee (WS) but not sure whether it is associated with this crossing.						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch gravity drainage pipe of an unknown material under the landside (LS) approach, at an unknown depth. Plans to install a 10-inch corrugated iron gravity drainage culvert under the LS approach, at an unknown depth. Crossing not found in the O&M Manual.						
FS Date: 4/12/2013						

LM Start	2.42	Rating **	M	Issue No.	40 (cont)
LM End	2.42	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2018_41787_18792.jpg



LS- abandoned wing wall- no pipe

Photo 3 of 3 : UCIP_SP_2018_41787_18791.jpg



LS- concrete standpipe with disconnected steel pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	2.60	Rating **	A/W	Issue No.	22
LM End	3.76	Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.987740 °	39.003660 °	
			-121.592090 °	-121.596680 °	
DWR ID	DWR_LD0001S_01_f_2017_22				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:159					
Site Designation:FSRP-13-64					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

LM Start	3.42	Rating **	M	Issue No.	41
LM End	3.42	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.998858 °	38.998858 °	
			-121.596746 °	-121.596746 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41348					
DS_ID:17918					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Only an abandoned steel structure on water and a concrete structure on WS Levee slope found. Need to verify pipe was properly abandoned.					
FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel pipe of an unknown purpose through the levee, 4.1 feet below the crown. Siphon breaker on the landside (LS) slope. Butterfly shutoff valve on the LS slope. Concrete standpipe and pump at the LS toe. Pipe discharges into borrow pit on the waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 144, August 1955, (Station 574+20)].					
FS Date: 4/8/2013					

Photo 1 of 3 : UCIP_SP_2018_41348_18882.jpg



WS- abandoned concrete structure on levee slope

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	3.42	Rating **	M	Issue No.	41 (cont)	
LM End	3.42	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.998858	°	38.998858
				-121.596746	°	-121.596746
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41348 DS_ID:17918 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only an abandoned steel structure on water and a concrete structure on WS Levee slope found. Need to verify pipe was properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel pipe of an unknown purpose through the levee, 4.1 feet below the crown. Siphon breaker on the landside (LS) slope. Butterfly shutoff valve on the LS slope. Concrete standpipe and pump at the LS toe. Pipe discharges into borrow pit on the waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 144, August 1955, (Station 574+20)]. FS Date: 4/8/2013						

Photo 2 of 3 : UCIP_SP_2018_41348_18881.jpg



WS- abandoned steel structure on waterway

LM Start	3.42	Rating **	M	Issue No.	41 (cont)
LM End	3.42	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2018_41348_18880.jpg



Overview of landside of the levee- no pipes visible. Dense vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	4.41	Rating **	A/W	Issue No.	36
LM End	4.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.011493 °	39.011493 °
				-121.603624 °	-121.603624 °
DWR ID	DWR_LD0001S_01_f _ 2016_36				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
No erosion or separation on slope, continue to monitor, Fall 2017.					

Photo 1 of 2 : SP_2018_LD0001S_433_36_20180302_00015.jpg



View of waterside slope where vehicles have been driving up and down to go around gate. Fall 2017.

LM Start	4.41	Rating **	A/W	Issue No.	36 (cont)
LM End	4.41	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2018_LD0001S_433_36_20180302_00016.jpg



View of waterside slope where vehicles have been driving up and down to go around gate. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	5.02	Rating **	A/W	Issue No.	25	
LM End	5.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			39.018322 °	39.018322 °	
				-121.610275 °	-121.610275 °	
DWR ID	DWR_LD0001S_01_f_2017_25					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:145						
Site Designation:LD1-S-02						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/17/2017						
Notes:						

Photo 1 of 3 : LEVAL_SP_2018_145_1767.jpg



Photo 2 of 3 : LEVAL_SP_2018_145_1768.jpg



* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

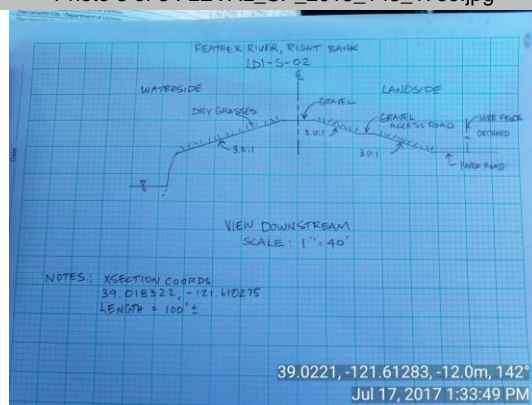
Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	5.02	Rating **	A/W	Issue No.	25 (cont)	
LM End	5.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			39.018322 °	39.018322 °	
				-121.610275 °	-121.610275 °	
DWR ID	DWR_LD0001S_01_f_2017_25					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:145						
Site Designation:LD1-S-02						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/17/2017						
Notes:						

Photo 3 of 3 : LEVAL_SP_2018_145_1769.jpg



LM Start	6.81	Rating **	C	Issue No.	20
LM End	6.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.043262 °	39.043262 °
				-121.611527 °	-121.611527 °
DWR ID	DWR_LD0001S_01_s_2017_20				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large animal burrows on slope approximately 50 feet from waterside hinge point has been repaired April 17, 2018. No signs of animal activity, Spring 2018.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	7.69	Rating **	A/W	Issue No.	19	
LM End	7.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			39.055986 °		39.056710 °
				-121.611301 °		-121.611331 °
DWR ID	DWR_LD0001S_01_f_2017_19					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:146						
Site Designation:LD1-S-03						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:8/3/2017						
Notes:						

Photo 1 of 3 : LEVAL_SP_2018_146_4051.jpg



LM Start	7.69	Rating **	A/W	Issue No.	19 (cont)
LM End	7.74	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL_SP_2018_146_4053.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	7.69	Rating **	A/W	Issue No.	19 (cont)	
LM End	7.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			39.055986 °	39.056710 °	
				-121.611301 °	-121.611331 °	
DWR ID	DWR_LD0001S_01_f_2017_19					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:146						
Site Designation:LD1-S-03						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:8/3/2017						
Notes:						

Photo 3 of 3 : LEVAL_SP_2018_146_4054.jpg



LM Start	9.35	Rating **	M	Issue No.	23
LM End	9.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.079026 °	39.079026 °
				-121.604386 °	-121.604386 °
DWR ID	DWR_LD0001S_01_f_2015_23				
Comment Code					
PR : Prunings					
Inspector Comment					
Tree trimmings and debris still exist at landside toe that are within 10' of the toe need to be removed, Spring 2018.					

Photo 1 of 2 : SP_2018_LD0001S_433_23_20180319_00063.jpg



View of pruning's that still exist on the landside levee toe. Spring 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	9.35	Rating **	M	Issue No.	23 (cont)	
LM End	9.35	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			39.079026 °		39.079026 °
				-121.604386 °		-121.604386 °
DWR ID	DWR_LD0001S_01_f_2015_23					
Comment Code						
PR : Prunings						
Inspector Comment						
Tree trimmings and debris still exist at landside toe that are within 10' of the toe need to be removed, Spring 2018.						

Photo 2 of 2 : SP_2018_LD0001S_433_23_20180302_00007.jpg



View of pruning's on the landside levee toe. Fall 2017.

LM Start	9.44	Rating **	M	Issue No.	18
LM End	9.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.080270 °	39.080270 °
				-121.604502 °	-121.604502 °
DWR ID	DWR_LD0001S_01_s_2018_18				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning's that are within 10' of the landside levee toe need to be removed, Spring 2018.					

Photo 1 of 1 : SP_2018_LD0001S_433_18_20180319_00064.jpg



View looking upstream of pruning's that are within 10' of the landside levee toe, Spring 2018.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	11.39	Rating **	M	Issue No.	42
LM End	11.39	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.106261 °	39.106261 °
				-121.607535 °	-121.607535 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50675 DS_ID:18879 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 07/20/2016 Pipe and pump station removed as part of the Feather River West Levee Project. (K. Fazel - UCIP)04/05/2013 Road pavement cracked along pipe line, needs more investigation. (P. Amatya - DWR) FIELD_STRUCT_DESC: *REMOVED* 2 of 2: 16-inch drainage discharge pipe of an unknown material through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Siphon breaker in a corrugated metal pipe (CMP) riser on the WS shoulder. Pump house at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005, 24-inch pipe referenced]. FS Date: 7/20/2016					

LM Start	11.39	Rating **	M	Issue No.	42 (cont)
LM End	11.39	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2018_50675_19462.jpg



Levee crown overview- siphon breaker on right

Photo 2 of 3 : UCIP_SP_2018_50675_19461.jpg



Enter photo 3 description or comment here.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	11.39	Rating **	M	Issue No.	42 (cont)	
LM End	11.39	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.106261 °		39.106261 °
				-121.607535 °		-121.607535 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50675 DS_ID:18879 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 07/20/2016 Pipe and pump station removed as part of the Feather River West Levee Project. (K. Fazel - UCIP)04/05/2013 Road pavement cracked along pipe line, needs more investigation. (P. Amatya - DWR) FIELD_STRUCT_DESC: *REMOVED* 2 of 2: 16-inch drainage discharge pipe of an unknown material through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Siphon breaker in a corrugated metal pipe (CMP) riser on the WS shoulder. Pump house at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005, 24-inch pipe referenced]. FS Date: 7/20/2016						

Photo 3 of 3 : UCIP_SP_2018_50675_19460.jpg



WS- two siphon breaker in CMP riser

LM Start	11.99	Rating **	M	Issue No.	43
LM End	11.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114856 °	39.114856 °
				-121.605821 °	-121.605821 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41841 DS_ID:17932 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to install Gasline Markers.Fenced control station.Indicator on LS across concrete ditch.Found road markings. FIELD_STRUCT_DESC: 1 of 2: 16-inch natural gas pipeline of an unknown material through the levee, 3 feet below the crown. PG&E gas line crossing sign on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/5/2013					

Photo 1 of 3 : UCIP_SP_2018_41841_19538.jpg



Levee Crown: gasline indicator/markings on crown road.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	11.99	Rating **	M	Issue No.	43 (cont)
LM End	11.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114856 °	39.114856 °
				-121.605821 °	-121.605821 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41841					
DS_ID:17932					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to install Gasline Markers.Fenced control station.Indicator on LS across concrete ditch.Found road markings.					
FIELD_STRUCT_DESC: 1 of 2: 16-inch natural gas pipeline of an unknown material through the levee, 3 feet below the crown. PG&E gas line crossing sign on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2005].					
FS Date: 4/5/2013					

Photo 2 of 3 : UCIP_SP_2018_41841_19537.jpg



LS- fenced control station across concrete ditch

LM Start	11.99	Rating **	M	Issue No.	43 (cont)
LM End	11.99	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2018_41841_19534.jpg



LS- fenced control station with indicators

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	12.00	Rating **	M	Issue No.	44
LM End	12.00	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114856 °	39.114856 °
				-121.605821 °	-121.605821 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41889 DS_ID:18880 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to install gasoline markers.Fenced control station on LS.Indicator on LS across concrete channel.Road markings. FIELD_STRUCT_DESC: 2 of 2: 16-inch natural gas pipeline of an unknown material through the levee, 3 feet below the crown. PG&E gas line crossing sign on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/5/2013					

Photo 1 of 3 : UCIP_SP_2018_41889_19566.jpg



Levee Crown: road markings on road pavement

LM Start	12.00	Rating **	M	Issue No.	44 (cont)
LM End	12.00	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2018_41889_19565.jpg



LS- fenced control station across concrete ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	12.00	Rating **	M	Issue No.	44 (cont)	
LM End	12.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.114856 °	39.114856 °	
				-121.605821 °	-121.605821 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41889 DS_ID:18880 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to install gasoline markers.Fenced control station on LS.Indicator on LS across concrete channel.Road markings. FIELD_STRUCT_DESC: 2 of 2: 16-inch natural gas pipeline of an unknown material through the levee, 3 feet below the crown. PG&E gas line crossing sign on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 4/5/2013						

Photo 3 of 3 : UCIP_SP_2018_41889_19564.jpg



LS- fenced control station with gasoline indicator across concrete ditch.

LM Start	12.15	Rating **	A/W	Issue No.	31
LM End	15.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.116846 °	39.155672 °
				-121.604524 °	-121.616478 °
DWR ID	DWR_LD0001S_01_f_2017_31				
Comment Code					
Inspector Comment					
This section of levee is still under construction, It has been brought up to grade and the bike path needs to be paved a few more punch list item finished up before it is turned over to the LMA, Spring 2018.					

Photo 1 of 4 : SP_2018_LD0001S_433_31_20180319_00066.jpg



View of erosion from run off at a ramp. This will be repaired with the punch list for the completion of the project, Spring 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	12.15	Rating **	A/W	Issue No.	31 (cont)
LM End	15.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.116846 °	39.155672 °
				-121.604524 °	-121.616478 °
DWR ID	DWR_LD0001S_01_f_2017_31				
Comment Code					
Inspector Comment					
This section of levee is still under construction, It has been brought up to grade and the bike path needs to be paved a few more punch list item finished up before it is turned over to the LMA, Spring 2018.					

Photo 2 of 4 : SP_2018_LD0001S_433_31_20180319_00067.jpg



View looking downstream. This section of levee is still under construction, It has been brought up to grade and the bike path needs to be paved, also a few more punch list item finished up before it is turned over to the LMA, Spring 2018.

LM Start	12.15	Rating **	A/W	Issue No.	31 (cont)
LM End	15.09	Issue Type +	Ma	Location *	CR

Photo 3 of 4 : SP_2018_LD0001S_433_31_20180319_00068.jpg



View looking upstream. This section of levee is still under construction, It has been brought up to grade and the bike path needs to be paved, also a few more punch list item finished up before it is turned over to the LMA, Spring 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	12.15	Rating **	A/W	Issue No.	31 (cont)
LM End	15.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.116846 °	39.155672 °
				-121.604524 °	-121.616478 °
DWR ID	DWR_LD0001S_01_f_2017_31				
Comment Code					
Inspector Comment					
This section of levee is still under construction, It has been brought up to grade and the bike path needs to be paved a few more punch list item finished up before it is turned over to the LMA, Spring 2018.					

Photo 4 of 4 : SP_2018_LD0001S_433_31_20180302_00011.jpg



View looking upstream at the start point of the new construction of the levee, Fall 2017.

LM Start	14.35	Rating **	M	Issue No.	45
LM End	14.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.146494 °	39.146494 °
				-121.609715 °	-121.609715 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41887 DS_ID:18640 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact ownder to determin status of crossing and install signs if appropriate. FIELD_STRUCT_DESC: 18-inch steel natural gas pipeline through the levee, at an unknown depth. [Additional Reference(s): Sutter-Butte Flood Control Agency, Volume 3, As-Built Drawing No. GC-120, Sheet 58, no reference to any crossings at this location. USACE Sacramento O&M Manual 144, August 1955, (Station 1473+60)]. FS Date: 4/5/2013					

Photo 1 of 3 : UCIP_SP_2018_41887_19571.jpg



WS- USA road marking and floodway area

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	14.35	Rating **	M	Issue No.	45 (cont)	
LM End	14.35	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.146494 °	39.146494 °	
				-121.609715 °	-121.609715 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41887						
DS_ID:18640						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact ownder to determin status of crossing and install signs if appropriate.						
FIELD_STRUCT_DESC: 18-inch steel natural gas pipeline through the levee, at an unknown depth. [Additional Reference(s): Sutter-Butte Flood Control Agency, Volume 3, As-Built Drawing No. GC-120, Sheet 58, no reference to any crossings at this location. USACE Sacramento O&M Manual 144, August 1955, (Station 1473+60)].						
FS Date: 4/5/2013						

Photo 2 of 3 : UCIP_SP_2018_41887_19570.jpg



WS- USA road marking on pavement

LM Start	14.35	Rating **	M	Issue No.	45 (cont)
LM End	14.35	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2018_41887_19569.jpg



LS- overview. No sign post or indicator found.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	15.03	Rating **	M	Issue No.	46
LM End	15.03	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.154970 °	39.154970 °
				-121.615617 °	-121.615617 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:12092 DS_ID:17923 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only a gasline indicator found on LS.Needs gasline marker also on WS. FIELD_STRUCT_DESC: 16-inch natural gas pipeline of an unknown material through the levee, 3.5 feet below the crown. Pipeline protected in place as part of the Feather River West Levee Reconstruction Project. Marker installed on the landside (LS). [Additional Reference(s): DWR Levee Log, 2005. Sutter-Butte Flood Control Agency, Volume 3, As-Built Drawing No. GC-124, Sheet 62, (Station 1073+41)]. FS Date: 4/5/2013					

Photo 1 of 2 : UCIP_SP_2018_12092_19624.jpg



LS- overview of gasline marker on levee slope

LM Start	15.03	Rating **	M	Issue No.	46 (cont)
LM End	15.03	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2018_12092_19623.jpg



LS- gasline marker on levee slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	15.15	Rating **	M	Issue No.	47
LM End	15.15	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.156241 °	39.156241 °
				-121.617210 °	-121.617210 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:12104 DS_ID:18644 EP_NO: 17259 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Found an indicator only on LS. Needs an indicator also on WS. FIELD_STRUCT_DESC: *REMOVED* 8.375-inch-wide electrolysis test station (ETS) at a depth of 4 feet was connected to the existing 8-inch steel natural gas pipeline within the waterside (WS) levee toe. Pipeline has been removed as part of the Feather River West Levee Reconstruction Project. [Additional Reference(s): Sutter-Butte Flood Control Agency, Volume 3, As-Built Drawing No. GC-124, Sheet 62, (Station 1079+91), no replacement pipe mentioned]. FS Date: 4/5/2013					

LM Start	15.15	Rating **	M	Issue No.	47 (cont)
LM End	15.15	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2018_12104_19642.jpg



WS- needs a gasoline indicator.

Photo 2 of 3 : UCIP_SP_2018_12104_19641.jpg



LS- gasoline indicators on levee slope and across.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	15.15	Rating **	M	Issue No.	47 (cont)	
LM End	15.15	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.156241 °		39.156241 °
				-121.617210 °		-121.617210 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:12104 DS_ID:18644 EP_NO: 17259 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Found an indicator only on LS. Needs an indicator also on WS. FIELD_STRUCT_DESC: *REMOVED* 8.375-inch-wide electrolysis test station (ETS) at a depth of 4 feet was connected to the existing 8-inch steel natural gas pipeline within the waterside (WS) levee toe. Pipeline has been removed as part of the Feather River West Levee Reconstruction Project. [Additional Reference(s): Sutter-Butte Flood Control Agency, Volume 3, As-Built Drawing No. GC-124, Sheet 62, (Station 1079+91), no replacement pipe mentioned]. FS Date: 4/5/2013						

Photo 3 of 3 : UCIP_SP_2018_12104_19640.jpg



LS- overview of gasoline indicators on levee slope and across.

LM Start	16.11	Rating **	M	Issue No.	48	
LM End	16.11	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.168830 °	39.168830 °	
				-121.622628 °	-121.622628 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41888						
DS_ID:18645						
EP_NO: 3823						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to determine status of crossing and install markers if appropriate. Several lines in area.						
FIELD_STRUCT_DESC: 8-inch steel natural gas pipeline through the levee and overflow area, 3.3 feet below the crown. (Plans for installation of a steel pipeline through the levee authorized under Permit No. 3823, 1961 - Southern Pacific Pipe Lines, Inc.).						
FS Date: 4/5/2013						

Photo 1 of 2 : UCIP_SP_2018_41888_19709.jpg



Railway and levee crossing and gasoline sign across the railway

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/13/2018 03/13/2018	Sterling York

LM Start	16.11	Rating **	M	Issue No.	48 (cont)	
LM End	16.11	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.168830 °	39.168830 °	
				-121.622628 °	-121.622628 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41888						
DS_ID:18645						
EP_NO: 3823						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to determine status of crossing and install markers if appropriate. Several lines in area.						
FIELD_STRUCT_DESC: 8-inch steel natural gas pipeline through the levee and overflow area, 3.3 feet below the crown. (Plans for installation of a steel pipeline through the levee authorized under Permit No. 3823, 1961 - Southern Pacific Pipe Lines, Inc.).						
FS Date: 4/5/2013						

Photo 2 of 2 : UCIP_SP_2018_41888_19708.jpg



Gasline sign across the railway

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement